

**CONSTRUCTION OF REMOVABLE BUNDWALLS  
APOLLO SUBSTATION**

Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
	<u>SANS 1200A</u>	<b><u>SECTION 1: PRELIMINARY AND GENERAL</u></b> <b><u>(Applicable to the whole of the Works)</u></b>				
	8.3	<b><u>FIXED CHARGE ITEMS</u></b>				
1	8.3.1	Contractual requirements.			SUM	
	8.3.2	<u>Establishment of Facilities on the Site</u>				
	8.3.2	<u>Facilities for Engineer</u>				
2	8.3.2.1c	Name boards. (In No. 2).			SUM	
	8.3.2.2	<u>Facilities for Contractor</u>				
3	8.3.2.2a	Offices and storage sheds.			SUM	
4	8.3.2.2b	Workshops.			SUM	
5	8.3.2.2c	Laboratories.			SUM	
6	8.3.2.2d	Living accommodation.			SUM	
7	8.3.2.2e	Ablution and latrine facilities.			SUM	
8	8.3.2.2f	Tools and equipment.			SUM	
9	8.3.2.2g	Water supplies, electric power, communications, dealing with water, and access.			SUM	
10	8.3.2.2	Density Tests			SUM	
11	8.3.2.2	Concrete Tests			SUM	
12	8.3.2.2j	Plant.			SUM	
13	8.3.3	Other fixed charge obligations.			SUM	
14	8.3.3	Complying with Eskom Health and Safety Specifications.			SUM	
		<b>Carried Forward</b>			R	
		Section No. 1 Bill No. 1 BILL 1: PRELIMINARIES AND GENERAL				

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		Brought Forward	R
15	8.3.3	Complying with Environmental Management Programme Act and all other statutory environmental requirements.	SUM
16	8.3.3	Security for the works for duration of the contract.	SUM
17	8.3.4	Removal of site establishment.	SUM
	8.4	<b><u>TIME RELATED ITEMS</u></b>	
18	8.4.1	Contractual requirements.	SUM
	8.4.2	<u>Operation and Maintenance of Facilities on Site, for Duration of Construction, (unless otherwise stated)</u>	
	8.4.2.1	<u>Facilities for Engineer</u>	
19	8.4.2.1c	Name boards. (In No. 2).	SUM
	8.4.2.2	<u>Facilities for Contractor</u>	
20	8.4.2.2a	Offices and storage sheds.	SUM
21	8.4.2.2b	Workshops.	SUM
22	8.4.2.2c	Laboratories.	SUM
23	8.4.2.2d	Living accommodation.	SUM
24	8.4.2.2e	Ablution and latrine facilities.	SUM
25	8.4.2.2f	Tools and equipment.	SUM
26	8.4.2.2g	Water supplies, electric power, communications, dealing with water, and access.	SUM
27	8.4.2.2j	Plant.	SUM
28	8.3.2.2	Density Tests	SUM
29	8.4.2.2	Concrete Tests	SUM
		<b>Carried Forward</b>	R
		Section No. 1 Bill No. 1 BILL 1: PRELIMINARIES AND GENERAL	

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		<b>Brought Forward</b>			R
30	8.4.3	Supervision for duration of construction.			SUM
31	8.4.3	Complying with Eskom Health and Safety Specifications			SUM
32	8.4.4	Company and head office overhead costs for duration of construction.			SUM
33	8.4.5	Other time related obligations.			SUM
34	8.4.5	Complying with Environmental Management Programme Act and all other statutory environmental requirements.			SUM
35	8.4.5	Security for the works for the duration of the contract.			SUM
	8.8	<b><u>TEMPORARY WORKS</u></b>			
	8.8.4	<u>Existing services.</u>			
36	8.8.4a	Supply or hire of specialist equipment for the detection of a particular service.			SUM
37	8.8.4b	The use of equipment referred to in (a) above.			SUM
38	8.8.4d	Temporary protection, as required in terms of the project specification and as directed by the Engineer.			SUM
		<b>Carried to Final Summary</b>			R
		Section No. 1			
		Bill No. 1			
		BILL 1: PRELIMINARIES AND GENERAL			

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Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount
<b><u>SECTION 2: REMOVABLE BUNDWALL</u></b>						
<b><u>BILL 1: ALTERATIONS</u></b>						
	SANS 1200C 8.2.8	<b><u>Demolish and remove structures/buildings and dismantle steelwork, etc.</u></b>				
		<u>Storage Yard 1</u>				
1	SANS 1200C 8.2.8a	Carefully demolish and remove the exist 300 x 200mm high bundwall including making good face brickwork finish.	m	30		
		<u>Storage Yard 2</u>				
2	SANS 1200C 8.2.8a	Carefully demolish and remove the exist 300 x 200mm high bundwall including making good face brickwork finish.	m	27		
		<u>Storage Yard 3(DC Yard)</u>				
3	SANS 1200C 8.2.8a	Carefully demolish and remove the exist 300 x 200mm high bundwall including making good face brickwork finish.	m	16		
	8.2.9	<b><u>Rubble disposal. (Provisional)</u></b>				
4	8.2.9	Transport all rubble from demolitions and the works to a nearby Registered Dump Site.		Item		
		<b><u>Brickwork (Provisional)</u></b>				
		<u>Brickwork of Facebrick in class 1 mortar including bonding to existing and facebrick header roller course to top of exposed walls</u>				
5		One brick walls	m2	11		
6		Extra-over brickwork for face brick work	m2	11		
<b>Carried Forward</b>						R
Section No. 2 Bill No. 1 BILL 1: ALTERATIONS						



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Item No	SANS Pay Ref		Unit	Quantity	Rate	Amount	
	<u>SANS 1200GE</u>	<b><u>BILL 2: PRECAST CONCRETE</u></b>					
	8.2.1	<b><u>Provide Structural Precast Units, including/excluding reinforcing</u></b>					
		<u>Storage Yard 1</u>					
1	<u>SANS 1200GE</u> 8.2.1a	Supply 290 x 220mm high reinforced adjustable removable bundwall in 3.7m lengths finished smooth as per specification on drawing number: Apo20P25-SE-D53	No	13			
		<u>Storage Yard 2</u>					
2	<u>SANS 1200GE</u> 8.2.1a	Supply 290 x 220mm high reinforced adjustable removable bundwall in 10.7m lengths finished smooth as per specification on drawing number: Apo20P25-SE-D53	No	1			
3	8.2.1a	Supply 290 x 220mm high reinforced adjustable removable bundwall in 5.3m lengths finished smooth as per specification on drawing number: Apo20P25-SE-D53	No	12			
		<u>Storage Yard 3(DC Yard)</u>					
4	<u>SANS 1200GE</u> 8.2.1a	Supply 290 x 220mm high reinforced adjustable removable bundwall in 4m lengths finished smooth as per specification on drawing number: Apo20P25-SE-D53	No	7			
	8.2.2	<b><u>Erection of Structural Precast Units</u></b>					
		<u>Storage Yard 1</u>					
5	<u>SANS 1200GE</u> 8.2.2	Erect 290 x 220mm high reinforced adjustable removable bundwall in 3.7m lengths finished smooth as per specification on drawing number: Apo20P25-SE-D53	No	13			
		<b>Carried Forward</b>					R
		Section No. 2 Bill No. 2 BILL 2: PRECAST CONCRETE					

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			Brought Forward			R
		<u>Storage Yard 2</u>				
6	<u>SANS 1200GE</u> 8.2.2	Erect 290 x 220mm high reinforced adjustable removable bundwall in 10.7m lengths finished smooth as per specification on drawing number: Apo20P25-SE-D53	No	1		
7	8.2.2	Erect 290 x 220mm high reinforced adjustable removable bundwall in 5.3m lengths finished smooth as per specification on drawing number: Apo20P25-SE-D53	No	12		
		<u>Storage Yard 3(DC Yard)</u>				
8	<u>SANS 1200GE</u> 8.2.2	Erect 290 x 220mm high reinforced adjustable removable bundwall in 4m lengths finished smooth as per specification on drawing number: Apo20P25-SE-D53	No	7		
	<u>SANS 1200G</u> 8.5	<b><u>Joints</u></b>				
	8.5.4	<u>Expansion joints as detailed on the Drawings and/or specified in the Project Specifications:</u>				
9	8.5.4a	200 x 280 x 10mm wide Polystyrene/ Bitumen impregnated fibreboard or similar approved joint filler	No	66		
10	8.5.12a	10 x 10mm silicon joint sealer	m	346		
		<b>Carried Forward to Summary of Section No. 2</b>				
		Section No. 2				
		Bill No. 2				
		BILL 2: PRECAST CONCRETE				
						R

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Bill No	<u>SECTION SUMMARY - SECTION 2: REMOVABLE BUNDWALL</u>	Page No	Amount
1	BILL 1: ALTERATIONS	5	
2	BILL 2: PRECAST CONCRETE	7	
	<b>Carried to Final Summary</b>		R
	Section No. 2		

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Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	SECTION 1: PRELIMINARIES AND GENERAL	3	
2	SECTION 2: REMOVABLE BUNDWALL	8	
<b>Carried to Form of Tender</b>			R